```
ML1.ipynb > 🕏 import math
+ Code + Markdown | D> Run All り Restart 🗮 Clear All Outputs | 🖾 Jupyter Variables 🗏 Outline
D ~
         import math
         def trig calculator():
            print("Basic Trigonometry Calculator")
            print("Choose an option:")
            print("1. Sine")
            print("2. Cosine")
             print("3. Tangent")
            print("4. Cotangent")
            print("5. Secant")
            print("6. Cosecant")
             choice = int(input("Enter choice (1-6): "))
             if choice in [1, 2, 3, 4, 5, 6]:
                     angle deg = float(input("Enter angle in degrees: "))
                     angle rad = math.radians(angle deg) # Convert to radians
             if choice == 1:
                     result = math.sin(angle_rad)
                     print(f"Sine({angle_deg}°) = {result}")
             elif choice == 2:
                     result = math.cos(angle rad)
                     print(f"Cosine({angle_deg}°) = {result}")
             elif choice == 3:
                     result = math.tan(angle_rad)
                     print(f"Tangent({angle_deg}°) = {result}")
             elif choice == 4:
                     result = 1 / math.tan(angle rad)
[13]
                     print(f"Cotangent({angle_deg}°) = {result}")
Λ Α 2
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```
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                     angle_deg = float(input("Enter angle in degrees: "))
D ~
                     angle rad = math.radians(angle deg) # Convert to radians
             if choice == 1:
                     result = math.sin(angle rad)
                     print(f"Sine({angle_deg}°) = {result}")
             elif choice == 2:
                     result = math.cos(angle rad)
                     print(f"Cosine({angle deg}°) = {result}")
             elif choice == 3:
                     result = math.tan(angle rad)
                     print(f"Tangent({angle_deg}°) = {result}")
             elif choice == 4:
                     result = 1 / math.tan(angle_rad)
                     print(f"Cotangent({angle_deg}°) = {result}")
             elif choice == 5:
                     result = 1 / math.cos(angle_rad)
                     print(f"Secant({angle_deg}°) = {result}")
             elif choice == 6:
                     result = 1 / math.sin(angle_rad)
                     print(f"Cosecant({angle_deg}°) = {result}")
             else:
                    print("Invalid choice! Please select a number between 1 and 6.")
      ✓ 5.2s
[13]
     Cosine(45.0^{\circ}) = 0.7071067811865476
```